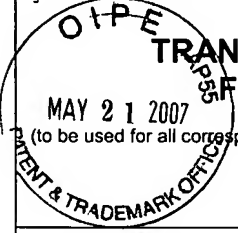


TFW 1711

PTO/SB/21 (04-04)

Approved for use through 07/31/2008. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

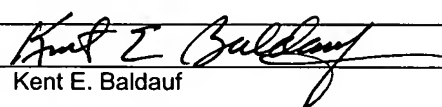
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

	Application Number	10/584,868
	Filing Date	June 29, 2006
	First Named Inventor	Jin-Tae KIM
	Art Unit	1711
	Examiner Name	
Total Number of Pages in This Submission	Attorney Docket Number	1455-061884

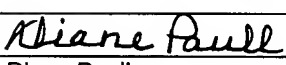
**ENCLOSURES (Check all that apply)**

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Documents <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts Under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below)
<div style="border: 1px solid black; padding: 5px;">Remarks</div>		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name	The Webb Law Firm		
Signature			
Printed Name	Kent E. Baldauf		
Date	May 17, 2007	Reg. No.	25,826

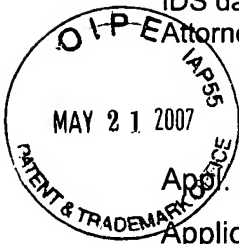
**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Signature			
Typed or printed name	Diane Paull	Date	05-17-2007

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 and select option 2.

Appl. No. 10/584,868  
IDS dated 05-17-2007  
Attorney Docket No. 1455-061884



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/584,868 Confirmation No. 5566  
Applicants : Jin-Tae KIM et al.  
Filed : June 29, 2006  
Title : Paint Composition Having Improved Far-Infrared Emissivity,  
Antibiosis and Solvent Resistance, and Precoated Metal  
Sheet Coated the Same  
Art Unit : 1711  
Examiner :  
Customer No. : 28289

INFORMATION DISCLOSURE STATEMENT  
TRANSMITTED BEFORE MAILING OF FIRST OFFICE ACTION

MAIL STOP AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98, Applicants hereby submit this Information Disclosure Statement together with a completed Form PTO/SB/08. Pursuant to 37 CFR §1.98, no copies of the United States patents are enclosed.

Korean Patent Application No. 1997-18446, cited on page 2 of the instant application, published as Publication No. 10-0214449 and is cited as such on attached Form PTO/SB/08a.

Korean Patent Application No. 1988-0001616, cited on page 3 of the instant application, published as Publication No. 1989-0013156 and is equivalent to U.S. Patent No. 6,390,487.

Korean Patent Application No. 1995-0026761, cited on page 3 of the application, published as Publication No. 100146451 and is cited on attached Form PTO/SB/08b as an English-language abstract only.

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450 on May 17, 2007.

Diane Paull  
(Name of Person Mailing Document)

*Diane Paull*  
Signature

05/17/2007  
Date

Korean Patent Application No. 1998-709300, cited on page 3 of the application, published as Publication No. 10-0310196 and is equivalent to U.S. Patent No. 6,221,498.

Japanese Application No. 11-319848, cited on page 3 of the instant application, published as Publication No. 2001-137711.

Korean Application No. 1997-7002389, cited on page 4 of the instant application, published as Publication No. 1997-7006363 and is equivalent to U.S. Patent No. 6,103,387.

Korean Application No. 2001-43214, cited on page 4 of the instant application, published as Publication No. 2002-0008070.

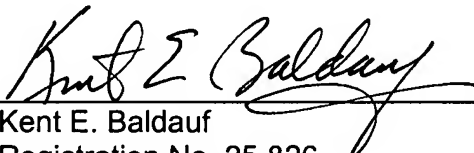
Copies of the references are enclosed herewith.

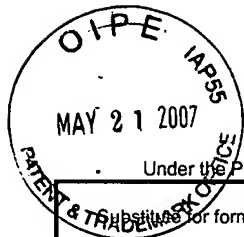
This application is the United States national phase of PCT Application No. PCT/KR04/03454. The International Search Report dated 15 April 2005 for the underlying PCT application identified the remaining three Korean references listed on Form PTO/SB/08. Copies of these references are submitted with this Information Disclosure Statement. Reference KR 1998-83239 published as Publication No. 10-0214449. The degree of relevance for the references listed on Form PTO/SB/08 is indicated in the International Search Report. A copy of the International Search Report is enclosed for the Examiner's convenience.

No fee is believed to be due for the filing of this Information Disclosure Statement as it is being submitted before a first Office Action on the merits. Nevertheless, the Commissioner for Patents is hereby authorized to charge any additional fees which may be required to Deposit Account No. 23-0650.

This Information Disclosure Statement is submitted in duplicate.

Respectfully submitted,  
THE WEBB LAW FIRM

By   
Kent E. Baldauf  
Registration No. 25,826  
Attorney for Applicants  
700 Koppers Building  
436 Seventh Avenue  
Pittsburgh, PA 15219  
Telephone: 412-471-8815  
Facsimile: 412-471-4094



PTO/SB/08a (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/584,868
				Filing Date	June 29, 2006
				First Named Inventor	Jin-Tae KIM
				Art Unit	1711
Sheet	1	of	2	Examiner Name	
				Attorney Docket Number	1455-061884

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)				
		US-	6,390,487 B1	05-21-2002	Yoo	
		US-	6,221,498 B1	04-24-2001	Takahama et al.	
		US-	6,376,559 B1	04-23-2002	Komoto et al.	
		US-	6,103,387 B1	08-15-2000	Yamamoto et al.	
		US-	6,022,919 B1	02-08-2000	Komoto et al.	
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
		KR	1989-0013156	A	09-21-1989	World Industry Co.	Equivalent US 6,390,487	
		JP(2002)	2002-053812	A	02-19-2002	Tomofumi et al.	English Abstract attached	
		JP(2003)	2003-171604	A	06-20-2003	Sumitomo Metal Mining	English Abstract attached	
		KR	10-0310196	B1	09-14-2001	Matsushita Electric Works	Equivalent US 6,221,498	
		JP(2001)	2001-137711	A	05-22-2001	Yamaha Livingtec Corp	English Abstract attached	
		KR	1997-7006363	A	11-03-1997	NOF Corporation	Equivalent US 6,103,387	
		KR	2002-0008070	A	01-29-2002	Nippon Shokubai Co. Ltd.	English Abstract attached	
		KR	2003-052373	A	06-27-2003	POSCO et al.	English Abstract attached	
		KR	10-0214449	A	05-19-1999	Pohang Steel Ind. et al	English Abstract attached	
		KR	2000-053934	A	05-09-2000	Eom et al.	English Abstract attached	
Examiner Signature					Date Considered			

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<p>Under the Espionage Reduction Act of 1950, no persons are required to respond to a collection of information unless it contains a valid OMB control number.</p> <p>Substitute Form 1449B/PTO</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p><i>(Use as many sheets as necessary)</i></p>				<b>Complete if Known</b>	
				Application Number	10/584,868
				Filing Date	June 29, 2006
				First Named Inventor	Jin-Tae KIM
				Art Unit	1711
				Examiner Name	
				Attorney Docket Number	1455-061884
Sheet	2	of	2		

## NON PATENT LITERATURE DOCUMENTS

[illegible]

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

***If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.***